

**ABSTRACT**

The invention relates to an apparatus (1) for determining and/or monitoring at least one physical or chemical, process a variable of medium having at least  
5 one oscillatable unit (5), which produces, and/or receives, mechanical oscillations. The invention includes that at least one tuning unit (20) is provided, whose stiffness is changeable and which is embodied in such a manner and connected in such a manner with the oscillatable unit (5), or is a part of the oscillatable unit (5) in such a manner, that at least the resonance  
10 frequency of the oscillatable unit (5) is changeable via the tuning unit (20). Additionally, the invention relates to a corresponding method.

(Fig. 1)